

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
ENSEMB.031AAPPLICATION NO.
09/991,532INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

MAR 2 5 2002

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Stanwood et al.**RECEIVED**FILING DATE
November 15, 2001GROUP
2661

MAR 2 7 2002

Technology Center 2600

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
CAG	1	3,949,404	04/06/76	Fletcher, et al.			
	2	4,485,619	01/22/85	Acampora			
	3	5,130,883	7/14/92	Hefner, III			
	4	5,297,144	03/22/94	Gilbert, et al.			
	5	5,420,851	05/30/95	Seshadri, et al.			
	6	5,444,698	08/22/95	Kito			
	7	5,511,082	04/23/96	How, et al.			
	8	5,517,503	5/14/96	Hess			
	9	5,615,212	03/25/97	Ruszczyn, et al.			
	10	5,638,371	06/10/97	Raychaudhuri, et al.			
	11	5,638,374	06/10/97	Heath			
	12	5,675,573	10/07/97	Karol, et al.			
	13	5,751,708	05/12/98	Eng, et al.			
	14	5,768,254	06/16/98	Papadopoulos, et al.			
	15	5,828,695	10/27/98	Webb			
	16	5,859,619	01/12/99	Wu, et al.			
	17	5,890,055	03/30/99	Chu, et al.			
	18	6,006,069	12/21/99	Langston			
	19	6,016,311	01/18/00	Gilbert, et al.			
	20	6,016,313	01/18/00	Foster, Jr., et al.			
	21	6,038,455	03/14/00	Gardner, et al.			
	22	6,094,421	07/25/00	Scott			
CAG	23	6,112,080	08/29/00	Anderson, et al.			

EXAMINER

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

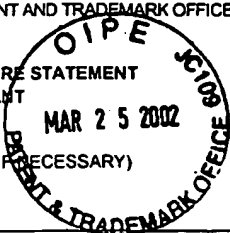
FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ENSEMB.031A	APPLICATION NO. 09/991,532
INFORMATION DISCLOSURE STATEMENT BY APPLICANT MAR 25 2002 (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Stanwood et al.	RECEIVED MAR 27 2002
		FILING DATE November 15, 2001	

Technology Center 2600

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
CRG	1	3,949,404	04/06/76	Fletcher, et al.			
	2	4,495,619	01/22/85	Acampora			
	3	5,130,983	7/14/92	Heffner, III			
	4	5,297,144	03/22/94	Gilbert, et al.			
	5	5,420,851	05/30/95	Seshadri, et al.			
	6	5,444,698	08/22/95	Kito			
	7	5,511,082	04/23/96	How, et al.			
	8	5,517,503	5/14/96	Hess			
	9	5,615,212	03/25/97	Ruszczuk, et al.			
	10	5,638,371	06/10/97	Raychaudhuri, et al.			
	11	5,638,374	06/10/97	Heath			
	12	5,675,573	10/07/97	Karol, et al.			
	13	5,751,708	05/12/98	Eng, et al.			
	14	5,768,254	06/16/98	Papadopoulos, et al.			
	15	5,828,695	10/27/98	Webb			
	16	5,859,619	01/12/99	Wu, et al.			
	17	5,890,055	03/30/99	Chu, et al.			
	18	6,006,069	12/21/99	Langston			
	19	6,016,311	01/18/00	Gilbert, et al.			
	20	6,016,313	01/18/00	Foster, Jr., et al.			
	21	6,038,455	03/14/00	Gardner, et al.			
	22	6,094,421	07/25/00	Scott			
	23	6,112,080	08/29/00	Anderson, et al.			

EXAMINER <i>Christopher P. Grey</i>	DATE CONSIDERED <i>Nov 13, 2006</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ENSEMB.031A	APPLICATION NO. 09/991,532
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Stanwood et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE November 15, 2001	GROUP 2661



RECEIVED

MAR 27 2002

Technology Center 2600

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
C.R.G.	24	0 507 384 A2	10/7/1992	EP				
	25	WO 92/22162	12/10/1992	PCT				
	26	0 720 405 A2	7/3/1998	EP				
	27	0 891 060 A2	1/13/1998	EP				
	28	0 845 916 A2	6/3/1998	EP				
	29	WO 99/38343	7/29/1999	PCT				
	30	WO 99/39532	8/5/1999	PCT				
	31	WO 00/01188	1/6/2000	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
C.R.G.	32	Lin., et al., "Error Control Coding, Fundamentals and Applications", Prentice-Hall Computer Applications in Electrical Engineering Series., 1993, pages 315-349.
	33	L.H. Charles Lee, "Convolutional Coding, Fundamentals and Applications", Artech House, Inc., 1997, p. 11-51.
	34	Redl, et al., "An Introduction to GSM", Artech House, Inc., 1995; pages 84, 85 and 95.
	35	C.E. Shannon, "A Mathematical Theory of Communication", Bell System Technical Journal, pp. 379-423 (Part I), 623-656 (Part II), 7/1948.
	36	Ulm., et al., "Data-Over-Cable Interface Specifications, Radio Frequency Interface Specification", Hewlett Packard Interim Specification, Doc. Control No.: SP-RF101-970321, published 3-21-97 by MCNS Holdings, L.P., Section 6, pgs. 43-85.
	37	Wolf, et al., "On the Weight Distribution of Linear Block Codes Formed From Convolutional Codes", IEEE, IEEE Transactions on Communications, Vol. 44:9, September 1998.
	38	"Asynchronous Transfer Mode (ATM) Technical Overview", 2 nd Edition, Prentice Hall, October 1995, Chapter 3, pp. 21-25.
	39	Sampei, S. et al., "Adaptive Modulation/TDMA Scheme for Personal Multi-Media Communication Systems, (11/28/1994) Telecommunications Conference (Globecom), IEEE, pp 989-993.
J	40	Ue, Toyoki et al., "Symbol Rate and Modulation Level Controlled Adaptive Modulation/TDMA/TDD for Personal Communication Systems, (7/25/1995) Proceedings of the Vehicular Technology Conference, IEEE, Vol Conf. 45 pp 306-310.
	41	H.C. Papadopoulos et al., Reduction of Mixed Co-channel Interference in Microcellular STDD Systems, Vehicular Technology Conference, 1995 IEEE 45 th , Vol.2, pages 759-763

S:\DOCS\JFH\JFH-2074.DOC
031402

EXAMINER C.R.G.	DATE CONSIDERED Nov 13, 2006
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SUPPLEMENTARY INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. ENSEMB.031A	APPLICATION NO. 09/991,532
	APPLICANT Stanwood et al.	
	FILING DATE November 15, 2001	GROUP 2661

RECEIVED
 SEP 26 2002
 Technology Center 2600

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
CPK	1	Saler G. Stanwood K., "Media Access Control Layer Proposal for the 802.16.1 Air Interface Specification, IEEE 802.16 Broadband Wireless Access Working Group, 'Online' July 7, 2000, XP002210334 Retrieved from the Internet: <URL: http://wirelessman.org/tgl/mac/contrib/802161mc-00_21n.pdf> retrieved on August 20, 2002, pp.69-80

S:\DOCS\JFH\JFH-2669.DOC
091702

EXAMINER	Christopher P Gray	DATE CONSIDERED	Nov 13, 2006
*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			